

Claims:

1. A wireless communication system that facilitates wireless communication with a subscribing unit operating within a respective service area, the wireless communication system comprising:

a base station providing wireless communication within the service area and supporting at least one communication protocol revision;

the subscribing unit wirelessly communicating with the base stations to indicate at least one communication protocol revision supported by the subscribing unit; and

the subscribing unit and base station communicating according to a supported communication protocol revision.

2. The wireless communication system of claim 1, wherein the base station and subscribing unit further communicate to indicate extended services supported by the subscribing unit.

3. The wireless communication system of claim 2, wherein the base station and the subscribing unit further communicate to indicate available methods of delivering the extended services to the subscribing unit.

4. The wireless communication system of claim 2, the extended services including caller line ID, message waiting indications and short message services.

1 5. The wireless communication system of claim 1, further comprising:
2 a mobile switching center supporting the base station, the mobile switching center
3 recording the at least one communication protocol revision supported by the subscribing unit for
4 further use by portions of the wireless communication system served by the mobile switching
5 center.

1 6. The wireless communication system of claim 5, wherein the mobile switching
2 center includes a visitor location register that records the at least one communication protocol
3 revision supported by the subscribing unit.

1 7. The wireless communication system of claim 6, wherein the visitor location
2 register further records:
3 extended services supported by the subscribing unit; and
4 delivery mechanisms supported by the subscribing unit for delivery of the extended
5 services.

1 8. The wireless communication system of claim 1, wherein the base station further
2 comprises:
3 a protocol capability indication unit that communicates with the subscribing unit to
4 determine the at least one communication protocol revision supported by the subscribing unit.

1 9. The wireless communication system of claim 8, wherein the subscribing unit
2 includes an identification unit that communicates with the protocol capability indication unit to
3 identify the at least one communication protocol revision supported by the subscribing unit.

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1 10. A subscribing unit that wirelessly communicates with a wireless communication
2 system having at least one base station supporting a respective service area, the subscribing unit
3 comprising:

4 a wireless interface that facilitates wireless communication with the base station of the
5 wireless communication system, wherein the wireless interface supports at least one
6 communication protocol revision;

7 an indication unit that indicates to the base station the at least one communication
8 protocol revision supported by the subscribing unit; and

9 the subscribing unit and base station communicating according to a supported
10 communication protocol revision.

11 11. The subscribing unit of claim 10, wherein the base station and subscribing unit
12 further communicate to indicate extended services supported by the subscribing unit.

1 12. The subscribing unit of claim 11, wherein the base station and the subscribing unit
2 further communicate to indicate available methods of delivering the extended services to the
3 subscribing unit.

1 13. The subscribing unit of claim 11, the extended services including caller line ID,
2 message waiting indications and short message services.

1 14. The subscribing unit of claim 10, wherein the subscribing unit indicates its
2 capabilities to the base station on an analog control channel.

1 15. The subscribing unit of claim 14, wherein the subscribing unit indicates its
2 capabilities to the base station on the analog control channel in response to a query received from
3 the base station.

1 16. The subscribing unit of claim 10, wherein the subscribing unit indicates its
2 capabilities to the base station on an analog voice channel.

1 17. The subscribing unit of claim 16, wherein the subscribing unit indicates its
2 capabilities to the base station on the analog control channel in response to a query received from
3 the base station.

1 18. A wireless communication system that facilitates wireless communication with a
2 subscribing unit operating within a respective service area, the wireless communication system
3 comprising:

4 a base station providing wireless communication within the service area and supporting at
5 least one extended service;

6 the subscribing unit wirelessly communicating with the base station to indicate at least
7 one extended service supported by the subscribing unit; and

8 the subscribing unit receiving extended services from the base station based upon the
9 indication provided to the base station and extended services supported by the base station.

1 19. The wireless communication system of claim 18, wherein the base station and
2 subscribing unit further communicate to indicate at least one extended services delivery protocol
3 supported by the subscribing unit.

1 20. The wireless communication system of claim 18, the extended services including
2 caller line ID, message waiting indications and short message services.

1 21. The wireless communication system of claim 18, further comprising:
2 a mobile switching center supporting the base station, the mobile switching center
3 recording the at least one extended service supported by the subscribing unit for further use by
4 portions of the wireless communication system served by the mobile switching center.

1 22. The wireless communication system of claim 21, wherein the mobile switching
2 center includes a visitor location register that records the at least one extended service supported
3 by the subscribing unit.

1 23. A subscribing unit that wirelessly communicates with a wireless communication
2 system having a base station that supports a respective service area, the subscribing unit
3 comprising:

4 a wireless interface that facilitates wireless communication with the base station, wherein
5 the wireless interface and the subscribing unit support at least one extended service;

6 the subscribing unit indicating to the base station the at least one extended service
7 supported by the subscribing unit; and

8 the subscribing unit receiving extended services from the base station according to the
9 indication made to the base station of the at least one extended service supported by the
10 subscribing unit.

1 24. The subscribing unit of claim 23, wherein the subscribing unit further indicates to
2 the base station available methods of receiving supported extended services.

1 25. The subscribing unit of claim 23, the extended services including caller line ID,
2 message waiting indications and short message services.

1 26. The subscribing unit of claim 23, wherein the wireless communication system
2 includes a mobile switching center that supports the base station and that records the supported
3 extended services in a visitor location register.

1 27. The subscribing unit of claim 26, wherein the mobile switching center further
2 records protocols supported by the subscribing unit for delivery of the extended services in the
3 visitor location register.

1 28. The subscribing unit of claim 23, further comprising an indication unit that
2 communicates with the base station to indicate the at least one extended service supported by the
3 subscribing unit.

1 29. A wireless communication system that facilitates wireless communication with a
2 subscribing unit operating within a respective service area, the wireless communication system
3 comprising:

4 a base station providing wireless communications within the service area and supporting
5 at least one extended services delivery option;

6 the subscribing unit wirelessly communicating with the base station to indicate at least
7 one extended services delivery option supported by the subscribing unit; and

8 the subscribing unit receiving extended services from the base station according to the at
9 least one extended services delivery option supported.

1 30. The wireless communication system of claim 29, wherein the base station and
2 subscribing unit further communicate to indicate at least one extended service supported by the
3 subscribing unit.

1 31. The wireless communication system of claim 30, the extended services including
2 caller line ID, message waiting indications and short message services.

1 32. The wireless communication system of claim 29, further comprising:
2 a mobile switching center supporting the base station, the mobile switching center
3 recording the at least one extended services delivery option supported by the subscribing unit for
4 further use by portions of the wireless communication system served by the mobile switching
5 center.

1 33. The wireless communication system of claim 32, wherein the mobile switching
2 center includes a visitor location register that records the at least one extended services delivery
3 option supported by the subscribing unit.

1 34. A subscribing unit that wirelessly communicates with a wireless communication
2 system having a base station that supports a respective service area, the subscribing unit
3 comprising:

4 a wireless interface that facilitates wireless communication with the base station of the
5 wireless communication system, wherein the wireless interface and the subscribing unit support
6 at least one extended services delivery option;

7 the subscribing unit indicating to the base station the at least one extended services
8 delivery option supported; and

9 the subscribing unit receiving extended services from the base station according to the at
10 least one extended services delivery option supported by the subscribing unit.

1 35. The subscribing unit of claim 34, wherein the base station and subscribing unit
2 further communicate to indicate at least one extended service supported by the subscribing unit.

1 36. The subscribing unit of claim 35, the at least one extended service including caller
2 line ID, message waiting indications and short message services.

1 37. The subscribing unit of claim 34, wherein the wireless communication system
2 includes a mobile switching center that supports the base station and that records the at least one
3 extended services delivery option supported by the subscribing unit in a visitor location register.

1 38. The subscribing unit of claim 37, wherein the mobile switching center further
2 records at least one extended service supported by the subscribing unit in the visitor location
3 register.

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1 39. The subscribing unit of claim 34, further comprising a protocol capability
2 indication unit that communicates with the wireless communication system to indicate the at
3 least one communication protocol revision supported by the subscribing unit.

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1 40. In a wireless communication system having a base station that communicates
2 wirelessly with a subscribing unit operating in a respective service area, a method of operation
3 comprising:

4 requesting, by the base station, an indication of at least one communication protocol
5 revision supported by the subscribing unit;

6 responding, by the subscribing unit to the base station, to indicate at least one
7 communication protocol supported by the subscribing unit;

8 selecting a supported communication protocol revision under which to operate; and

9 continuing operation according to a selected communication protocol revision.

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1 41. The method of claim 40, further comprising:

2 indicating to the base station a plurality of communication protocol revisions supported
3 by the subscribing unit; and

4 selecting the supported communication protocol revision from the plurality of
5 communication protocols supported by the subscribing unit.

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1 42. The method of claim 40, further comprising recording the selected
2 communication protocol revision.

1 43. In a wireless communication system having a base station that communicates
2 wirelessly with a subscribing unit operating in a respective service area, a method of operation
3 comprising:

4 requesting, by the base station, an indication of at least one extended service supported by
5 the subscribing unit;

6 responding, by the subscribing unit to the base station, to indicate at least one extended
7 service supported by the subscribing unit; and

8 the base station providing extended services to the subscribing unit based upon an
9 indication of at least one extended service supported by the subscribing unit.

1 44. The method of claim 43, further comprising:

2 indicating to the base station at least one extended services delivery protocol supported by
3 the subscribing unit; and

4 selecting an extended services delivery protocol for delivery of the extended services.

1 45. The method of claim 43, further comprising recording the at least one least one
2 extended service supported by the subscribing unit.

1 46. In a wireless communication system having a base station that communicates
2 wirelessly with a subscribing unit operating in a respective service area, a method of operation
3 comprising:

4 requesting, by the base station, an indication of at least one extended services delivery
5 option supported by the subscribing unit;

6 responding, by the subscribing unit to the base station, to indicate at least extended
7 services delivery option supported by the subscribing unit; and

8 the base station providing extended services to the subscribing unit according to an
9 extended services delivery option supported by the subscribing unit.

1 47. The method of claim 46, further comprising recording the at least one least one
2 extended service supported by the subscribing unit.

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